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WITH THE CO-OPERATION OF

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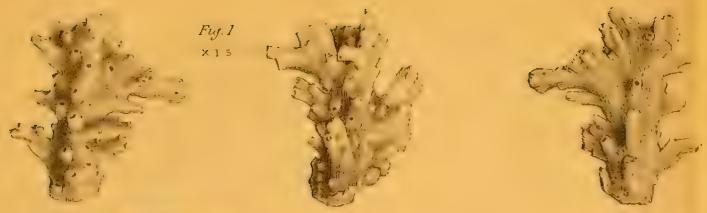

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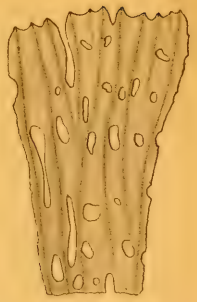

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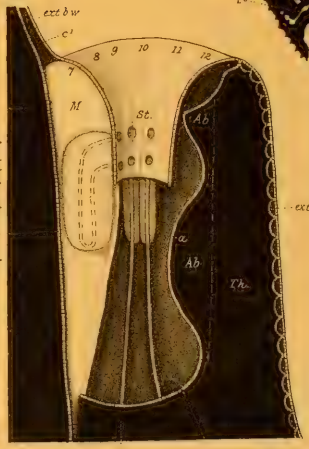

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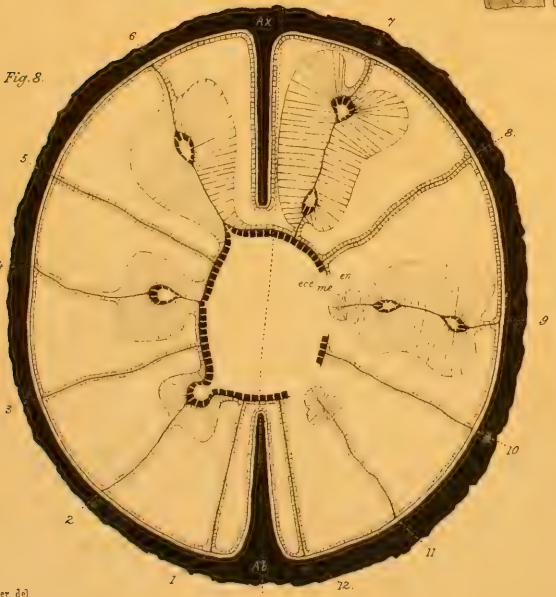

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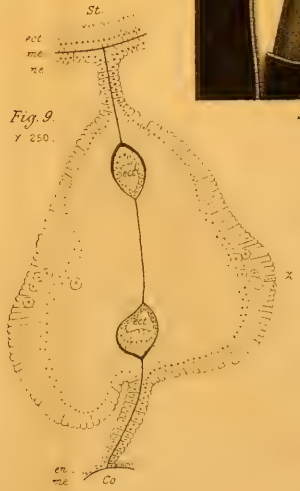

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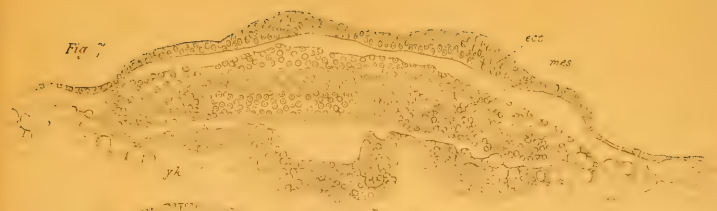

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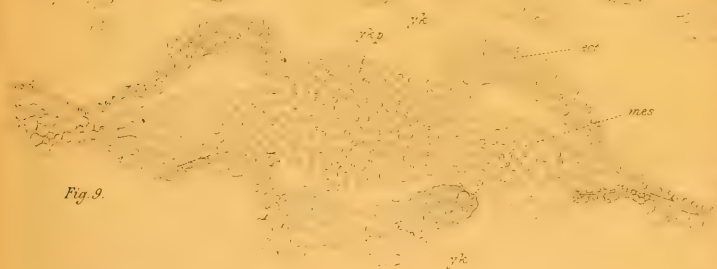

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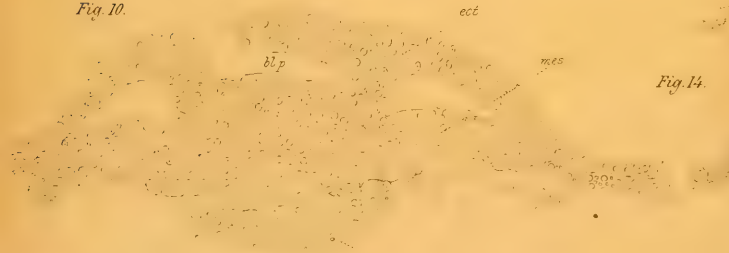

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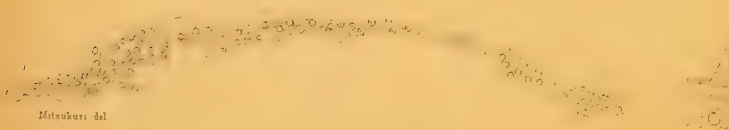

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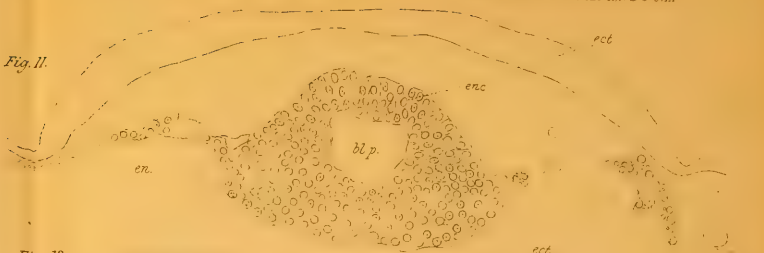

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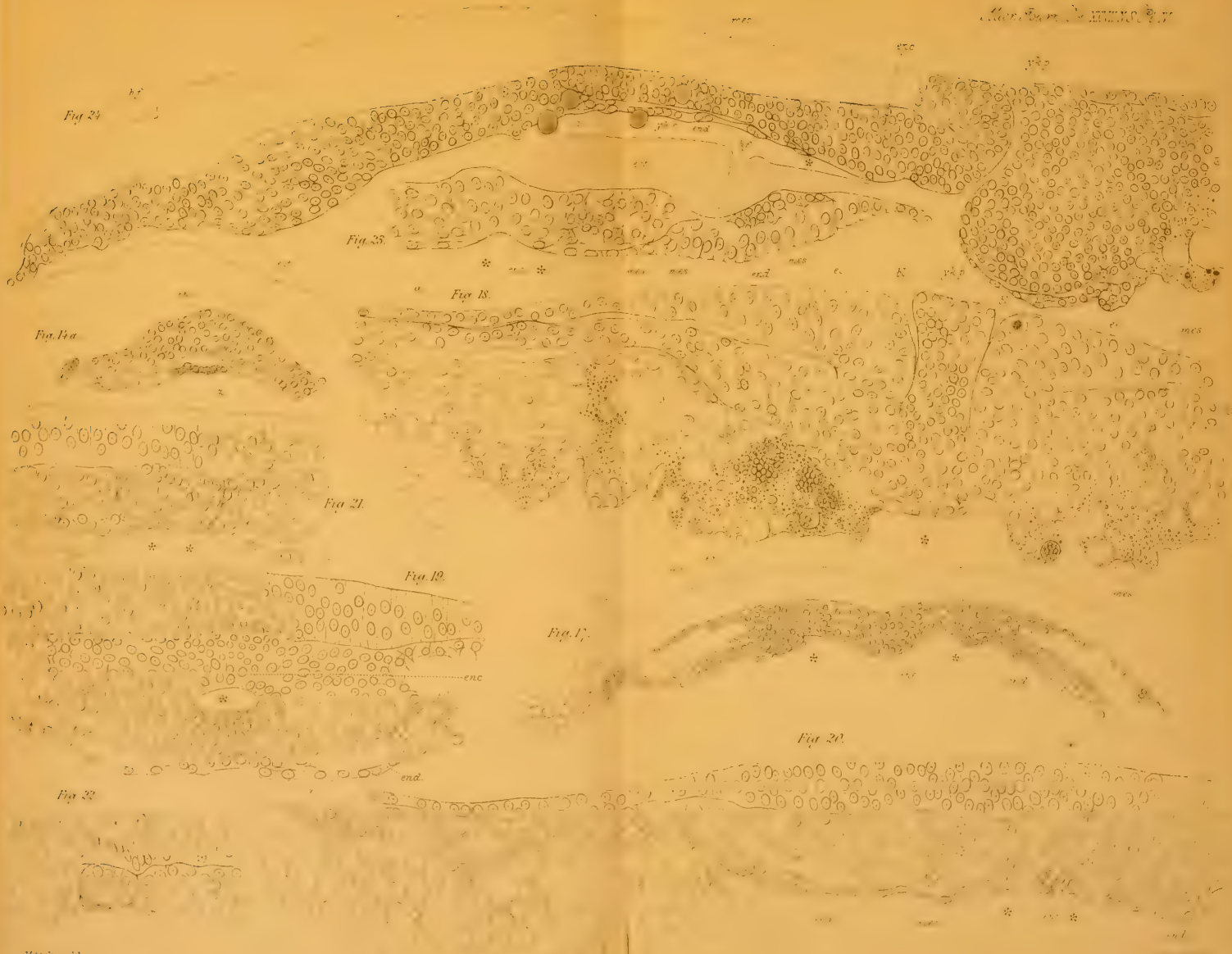
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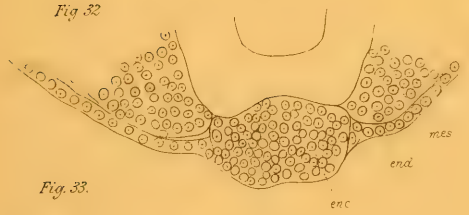

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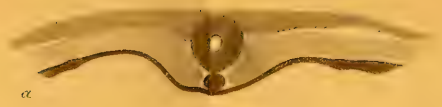

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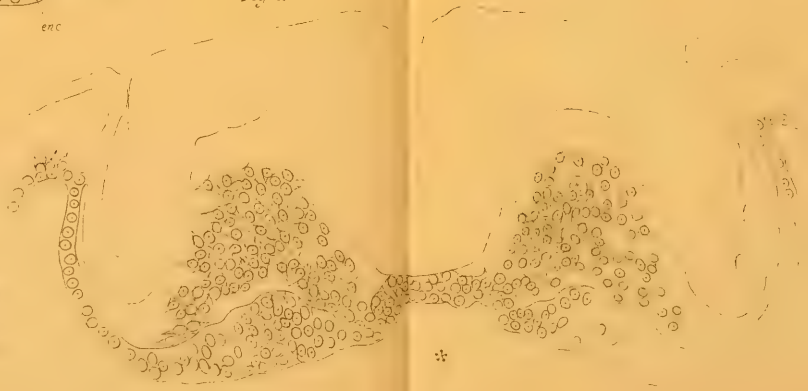

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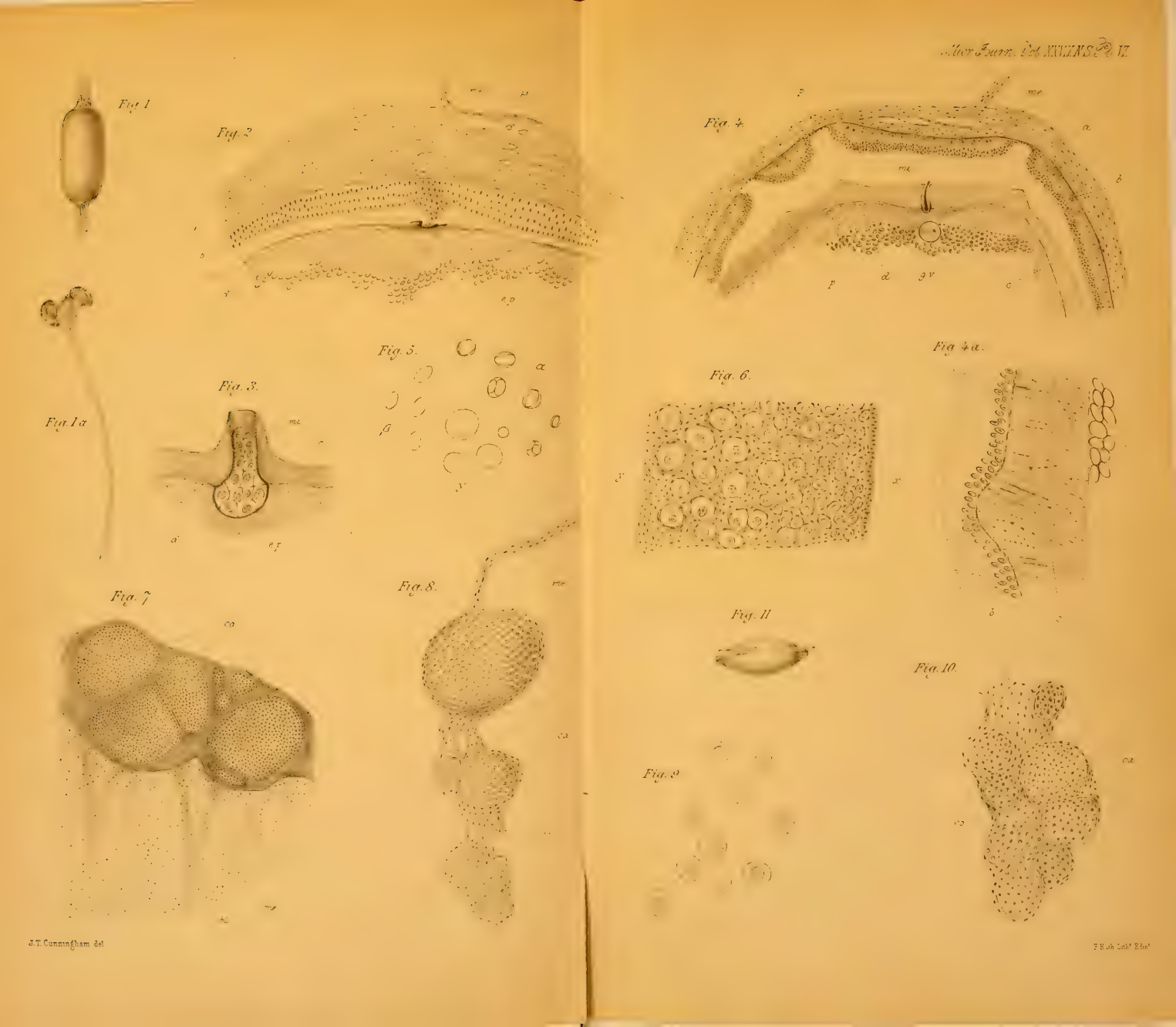

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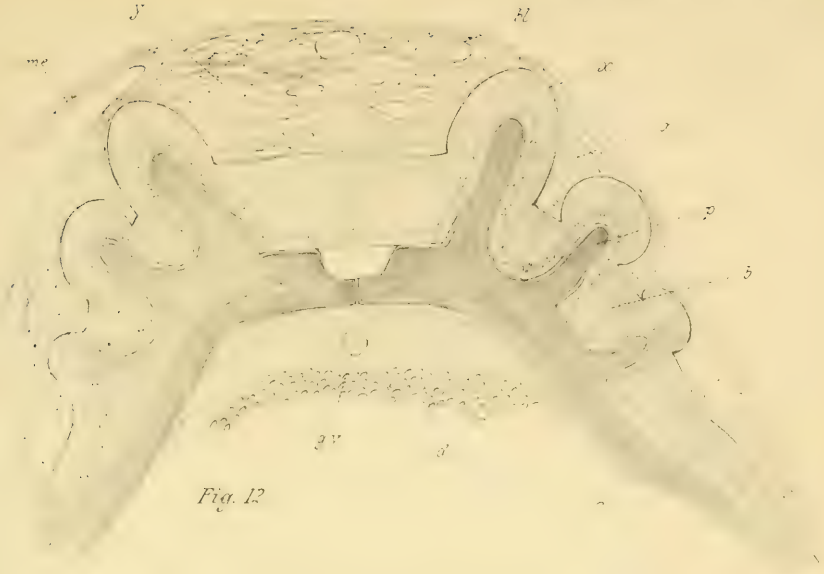

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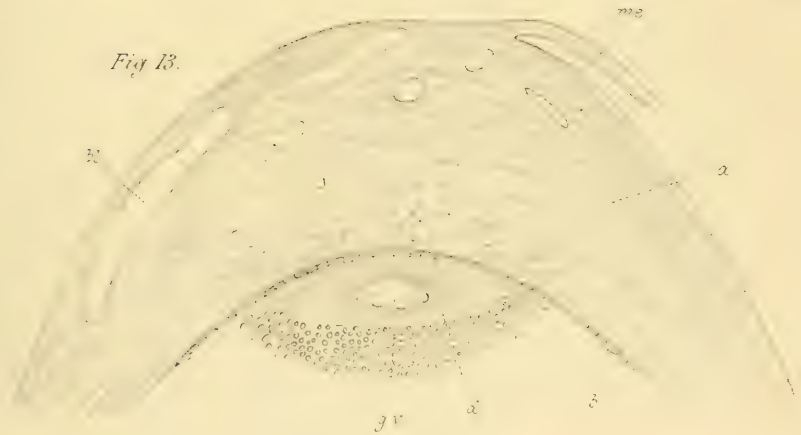

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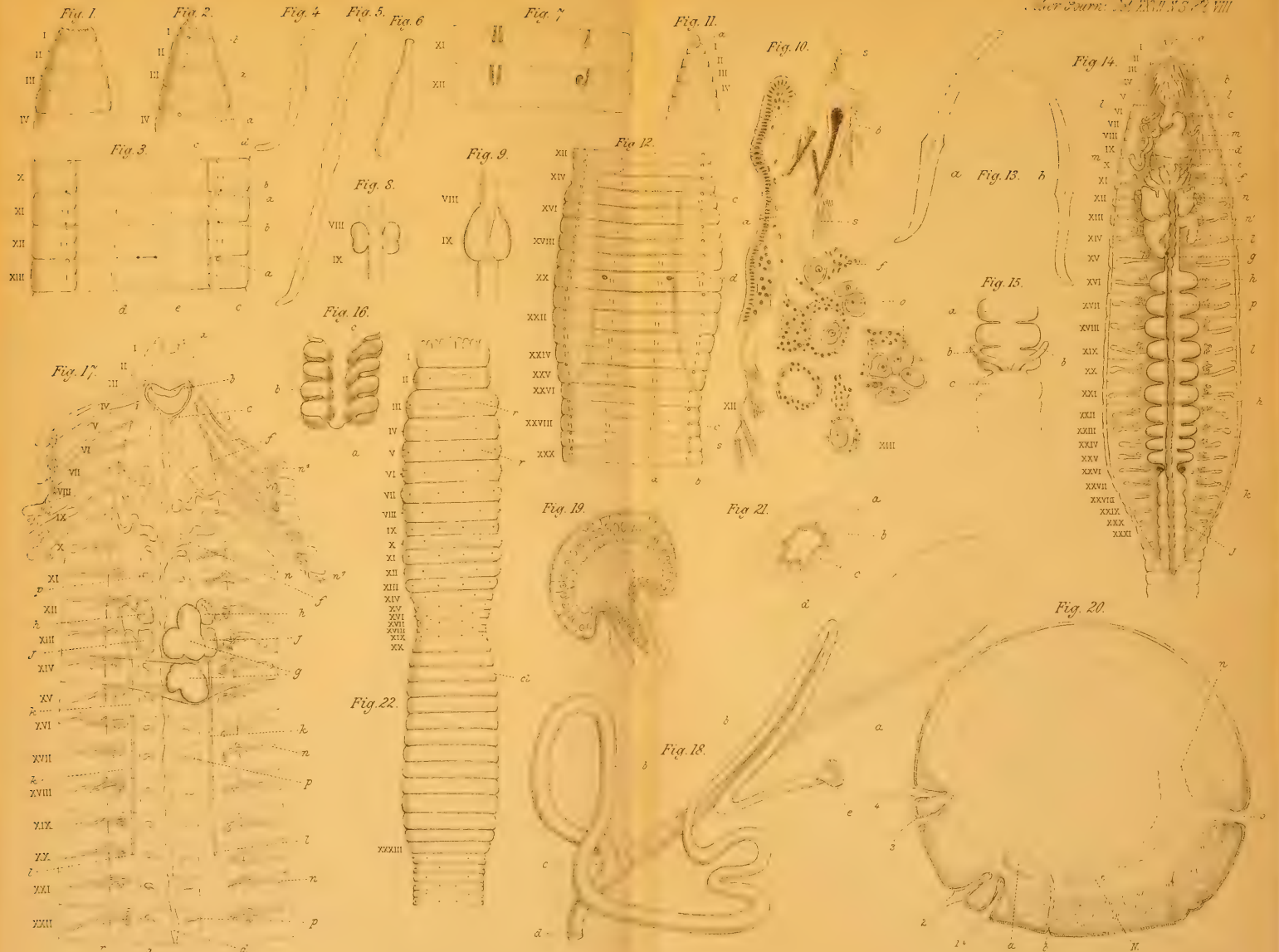

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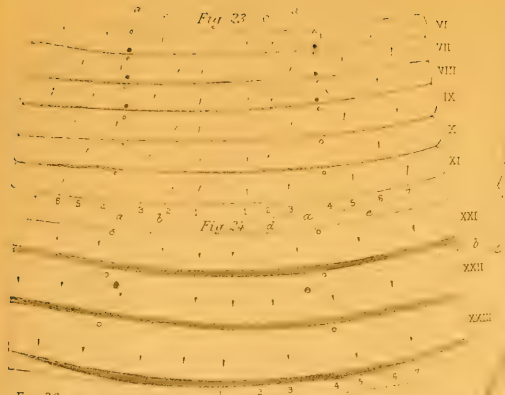
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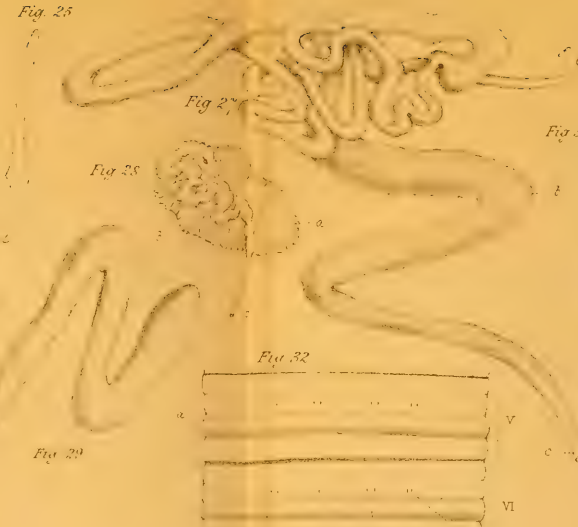
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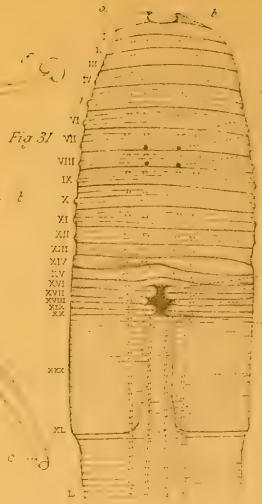
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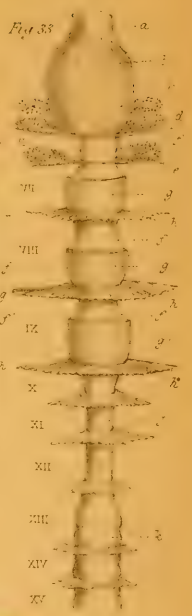
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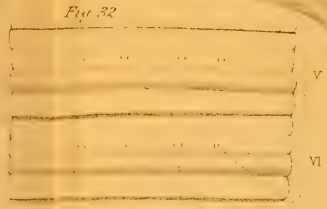
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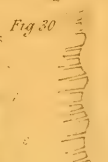
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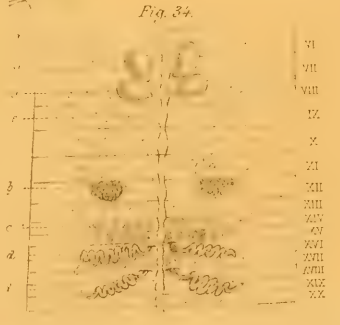
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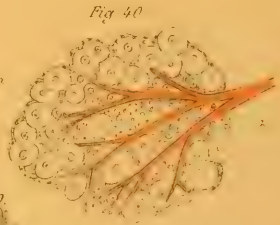
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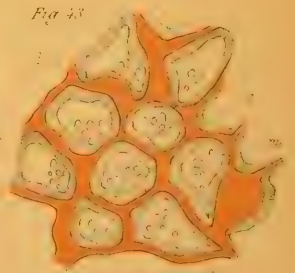
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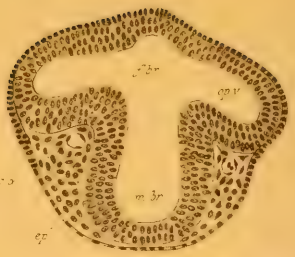
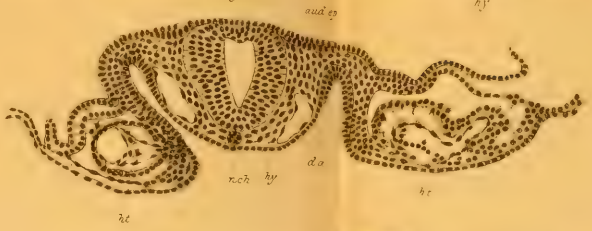
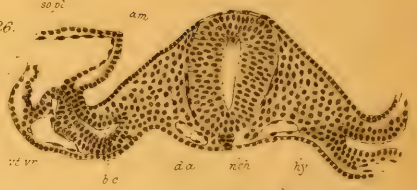
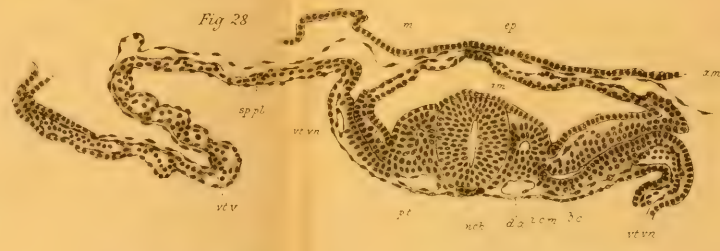
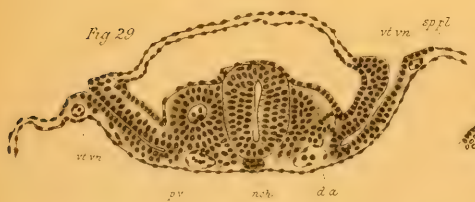
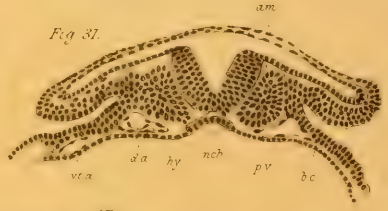


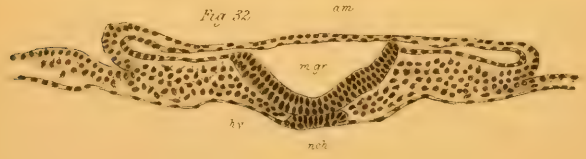


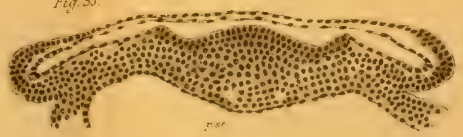


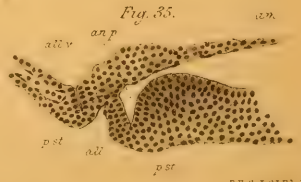




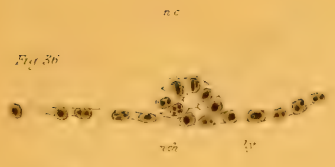


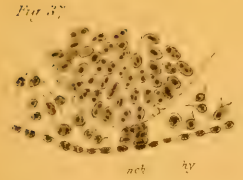


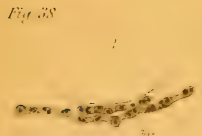


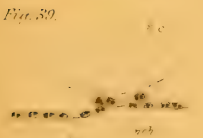


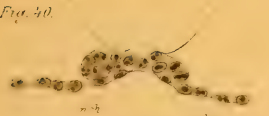
F. Huth, Lith.t Edin.t

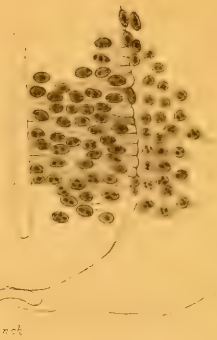


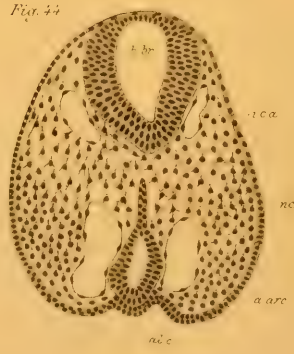


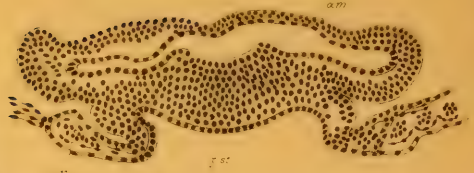


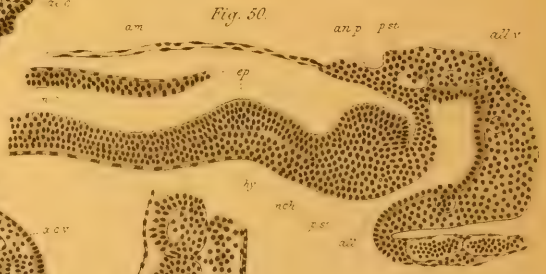


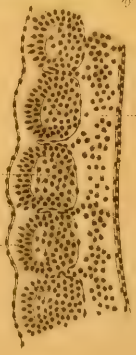












F. Heath, Lith.r Lith.r

Fig. I.

W.B. Spencer del.

Fig. 2

Fig. 6

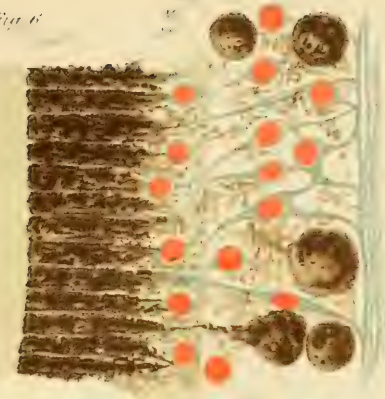
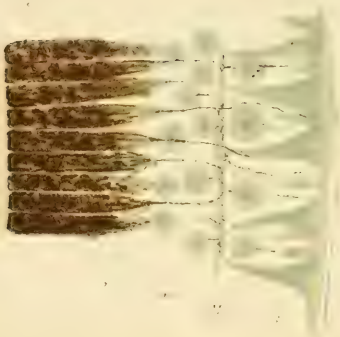


Fig. 5

Fig. 3



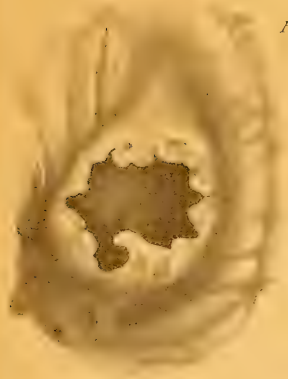
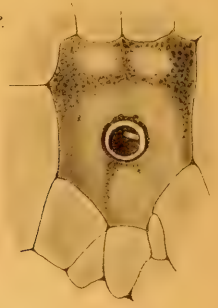


Fig. 9

Fig. 7.

Fig. 14



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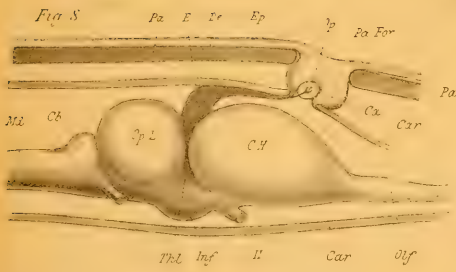


Fig. 8

Fig. 15.

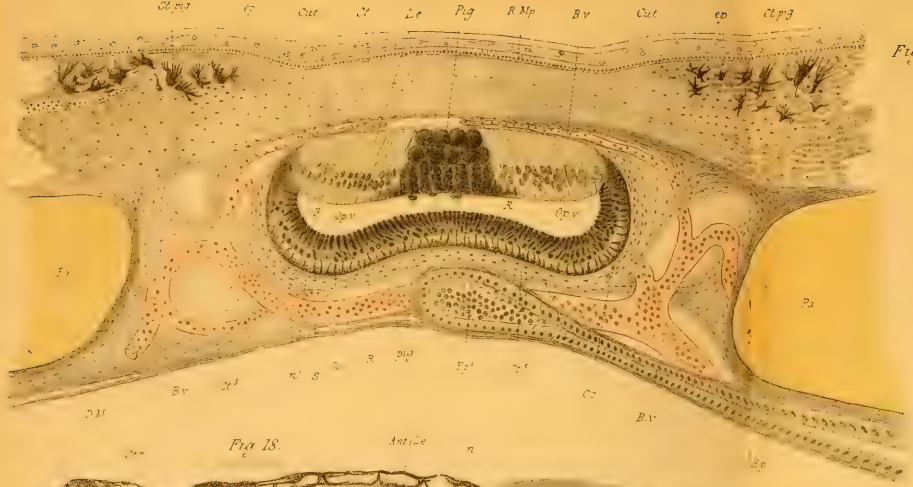
Fig. 16.

Fig. 10

Fig. 11.

Fig. 12.

Fig 17.



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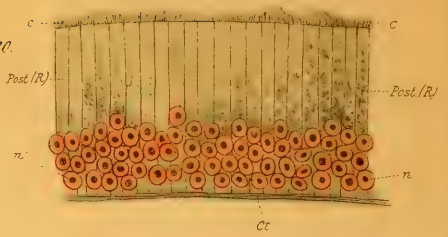
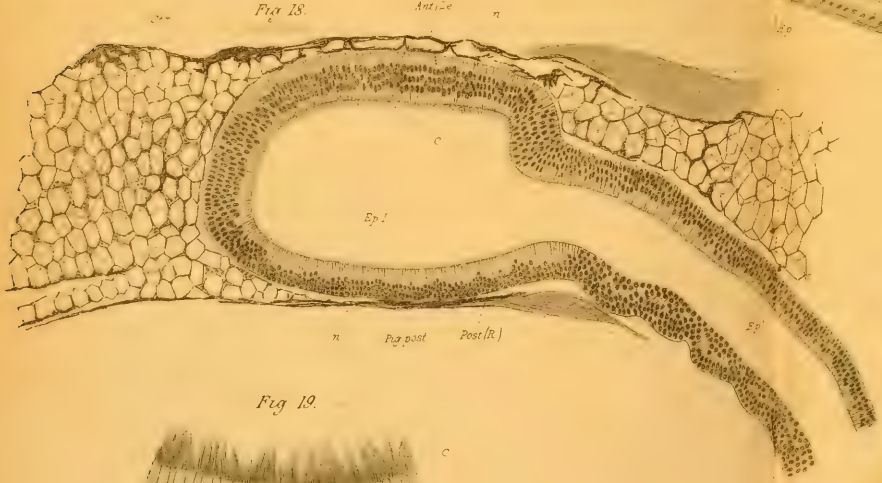


Fig 18.



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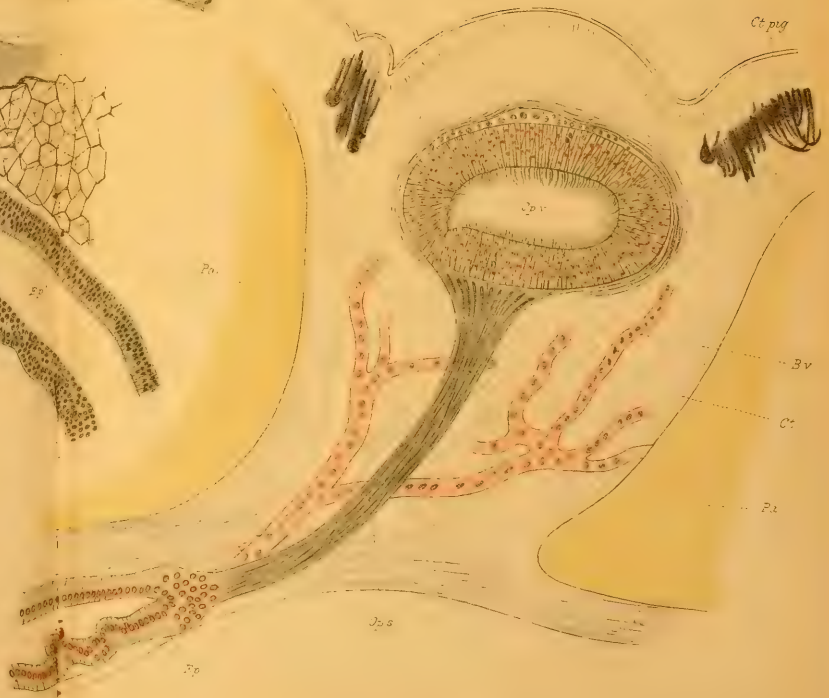

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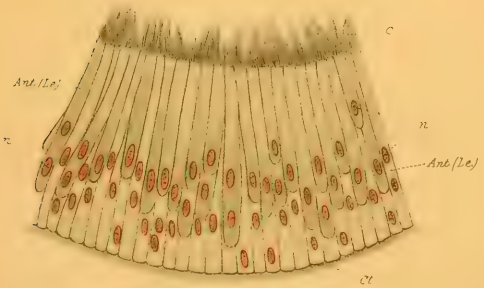
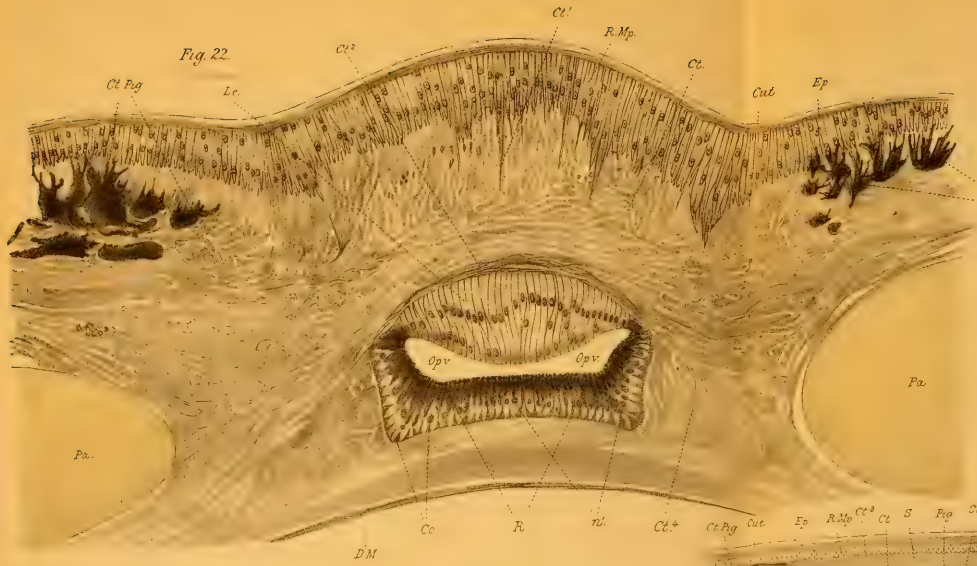
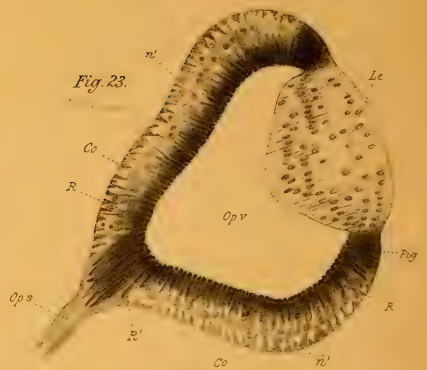
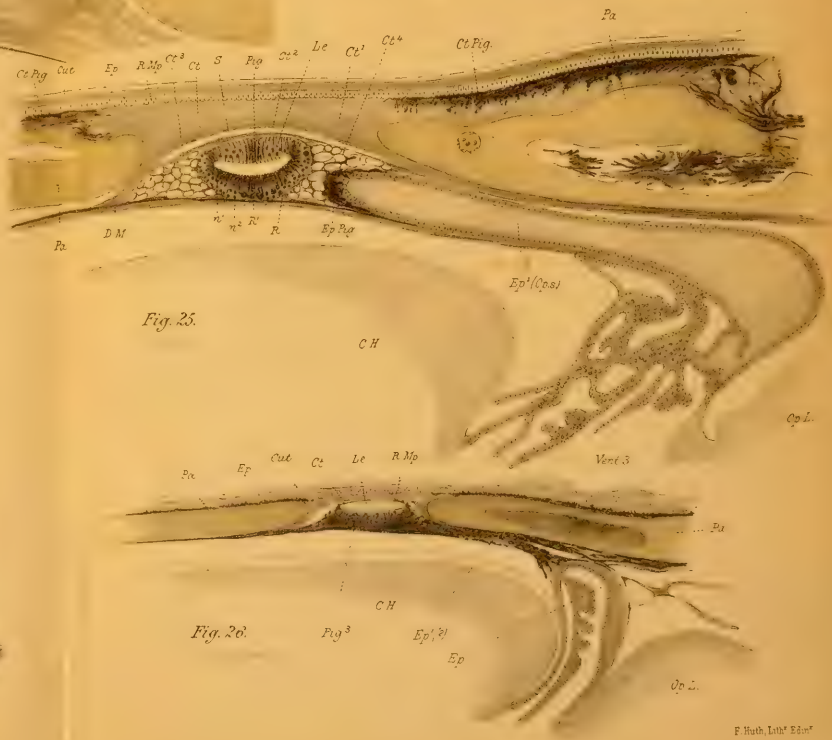


W.B. Spencer del

F Ruth, Lith^r Edin^r







W.B.Spencer del

F. Huth, Lith. Edin.

W. B. Spencer del.

F. Huth, Lith^r Edin^r

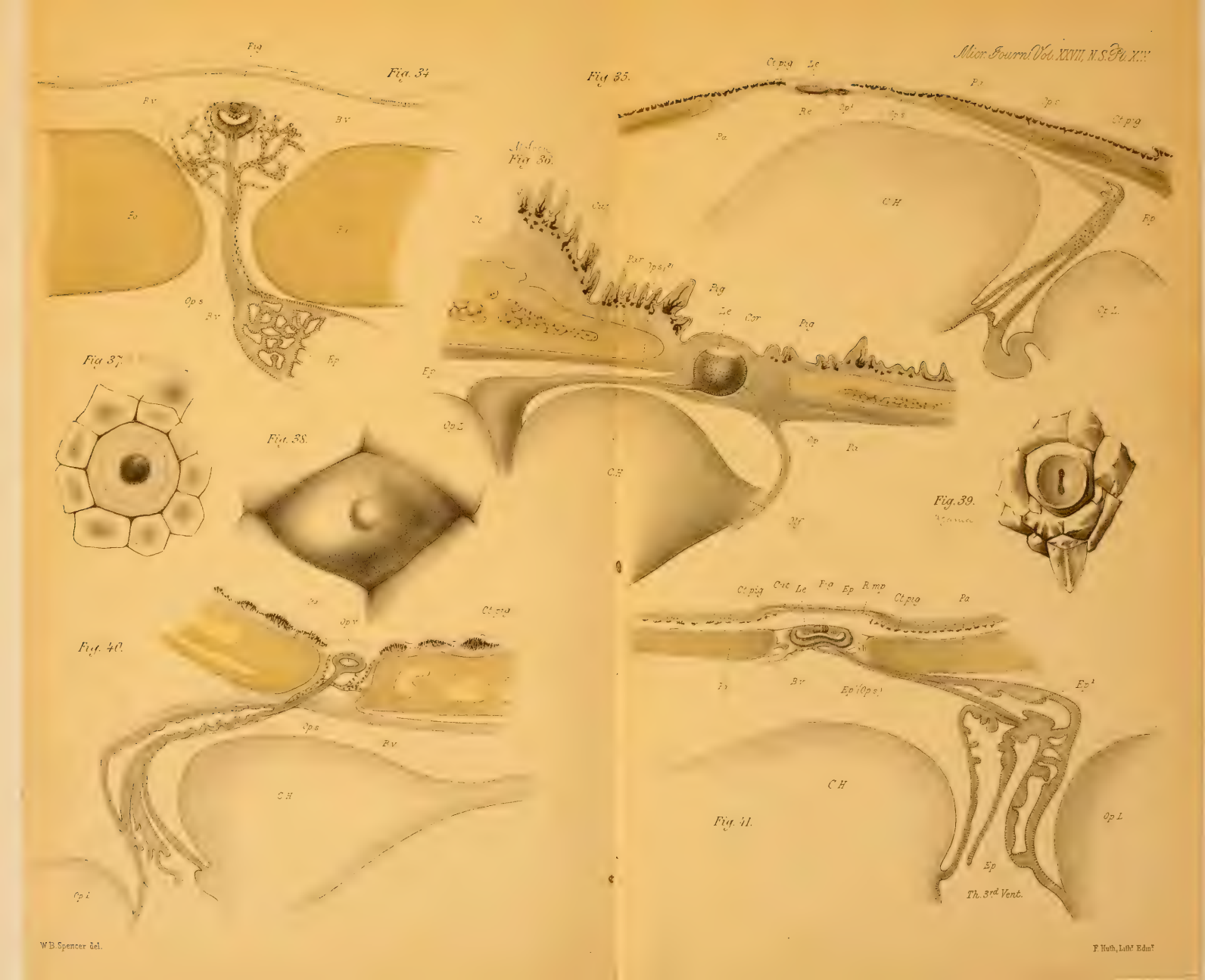


Fig. 34
Fig. 35.
Fig. 36.
Fig. 37.
Fig. 38.
Fig. 39.
Fig. 40.
Fig. 41.
Th. 3rd Vent.

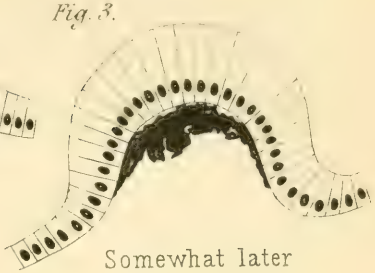
Fig. 1.

Larval Tunicate
(Early stage.)
Ancestral Chordate.

Fig. 2.

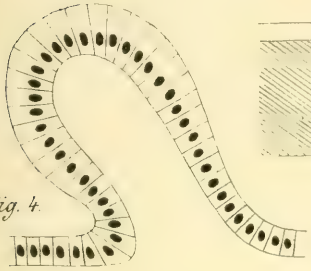
Early stage of
Epiphysis in
Bufo-Cinerea.

Fig. 3.



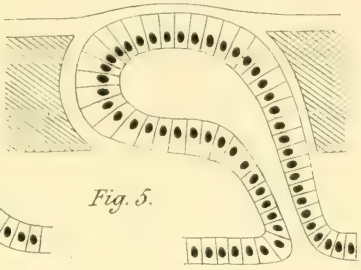
Somewhat later
stage in Epiphysis of
Bufo.

Fig. 4.



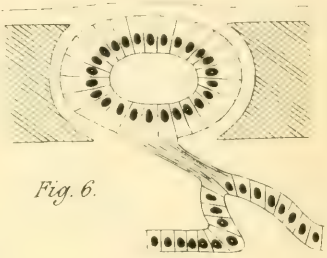
Early stage, all higher
Chordata.

Fig. 5.



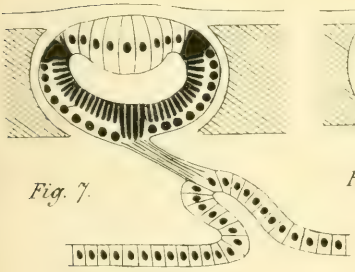
Early stage Chordata.
Permanent in Cyclodus,
and Elasmobranchs.

Fig. 6.



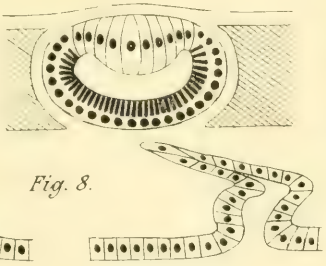
Early stage in Anura
Lacertila and Aves.
Permanent in Chameleo.

Fig. 7.



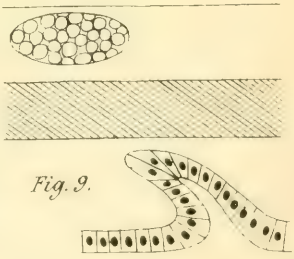
Living Lacertilia.
Labyrinthodonta.
Ancestors of Reptilia & Aves.

Fig. 8.



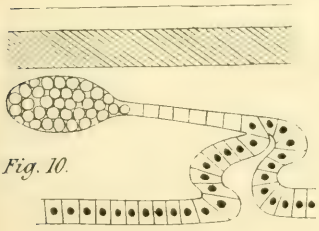
Many Lacertilia.
(Calotes. Seps.
Leiodera etc.)

Fig. 9.



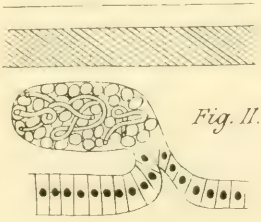
Anura.
(Adult.)

Fig. 10.



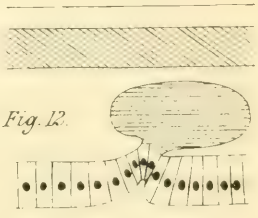
Certain Lacertilia.
(Ceratophora.)

Fig. 11.



Aves
(Adult.)

Fig. 12.



Mammalia.
(Adult.)

DIAGRAM ILLUSTRATING THE DEVELOPMENT OF THE EPIPHYSIS.

W B Spencer del

F Huth, Lith^r Edin^r

S. F. Harmer del.

F. Huth, Lith^r Edin^r

Fig. 15

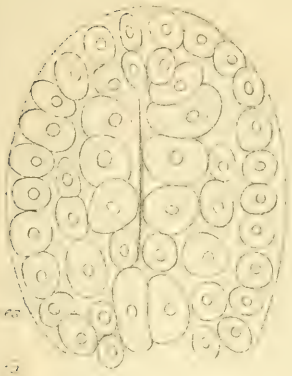


Fig. 16

Fig. 17.

Fig. 18.

Fig. 19.

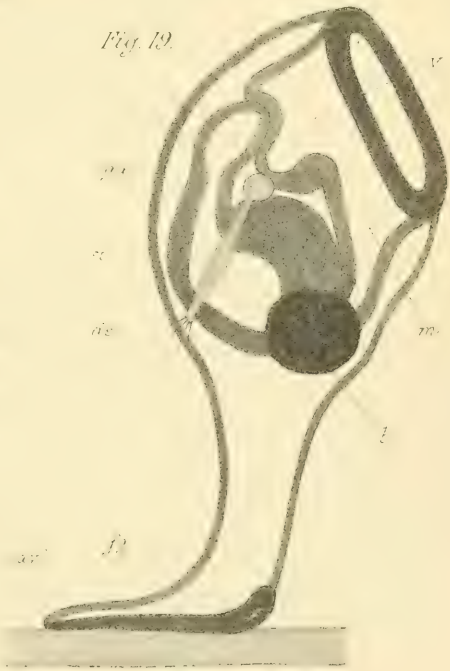
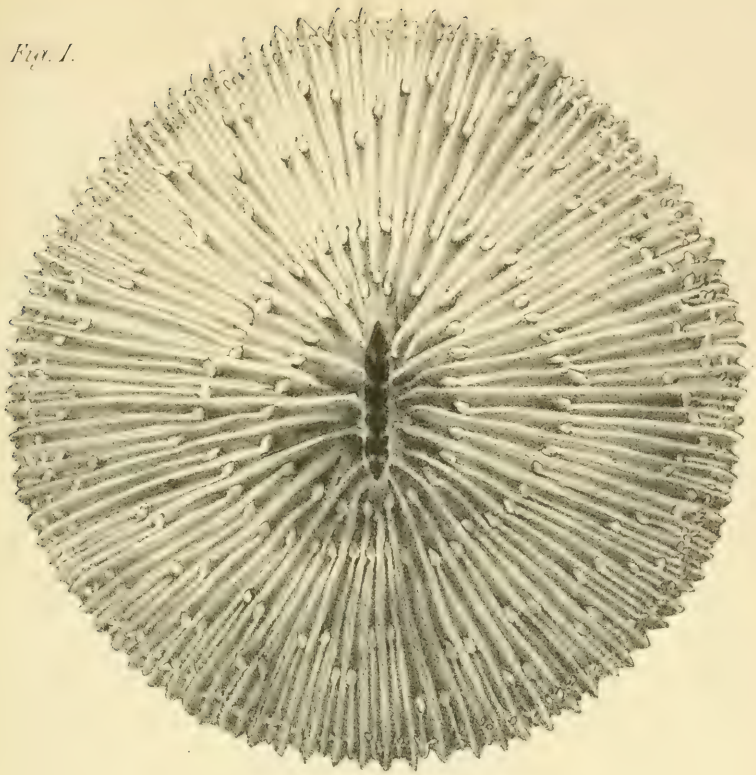


Fig. 1.



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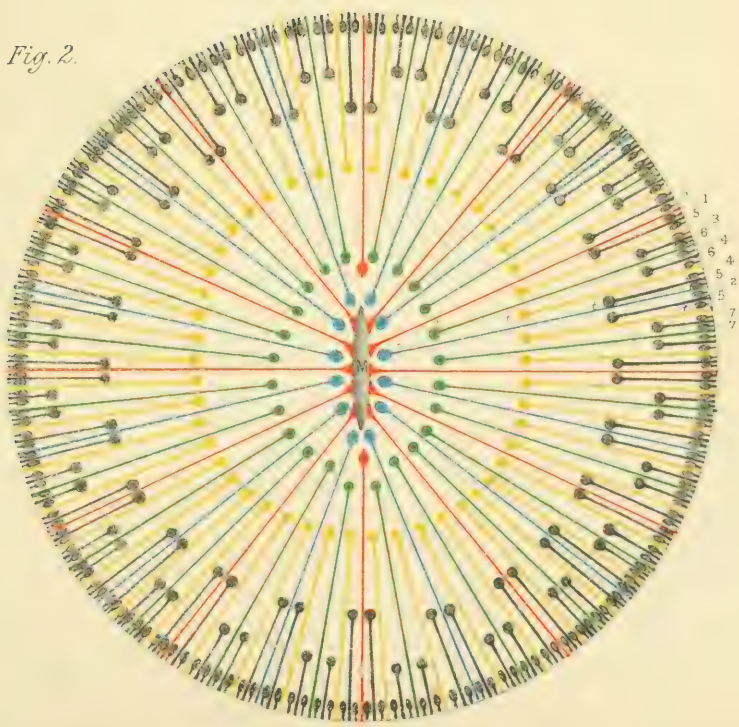


G.C.Bourne del.

F.Huth, Lith. Edinr.

O.C Bourne del.

F. Huth, Lith^r Edin^r

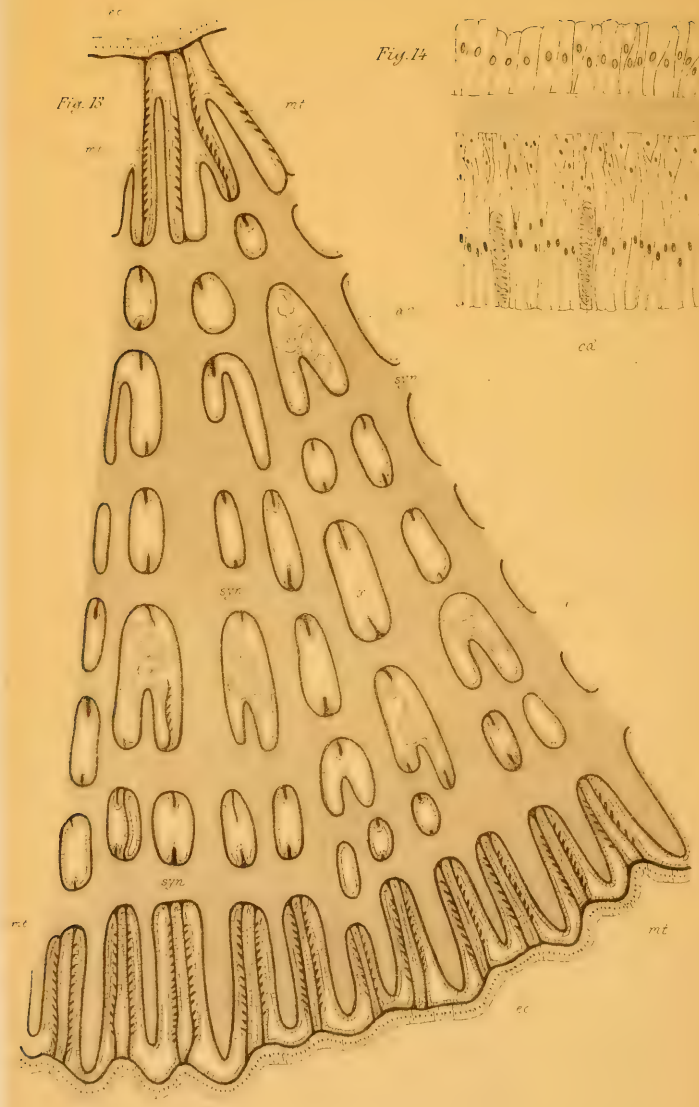


Fig. 14

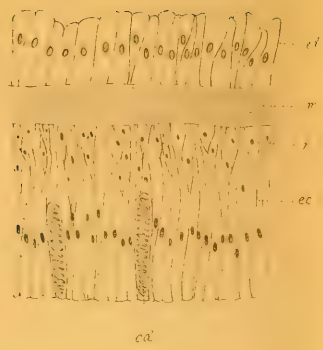


Fig. 17

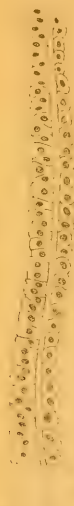
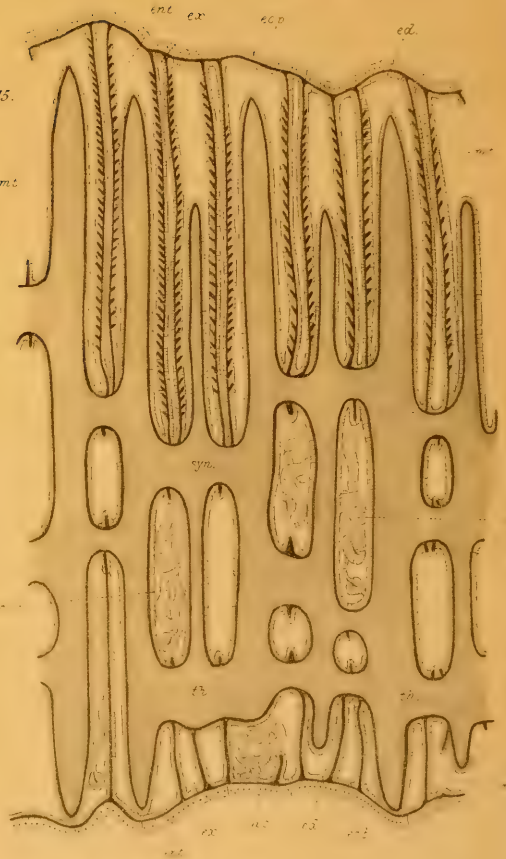


Fig. 15.



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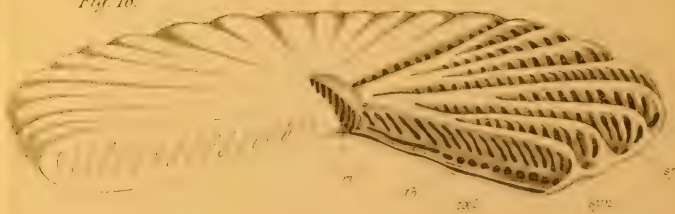
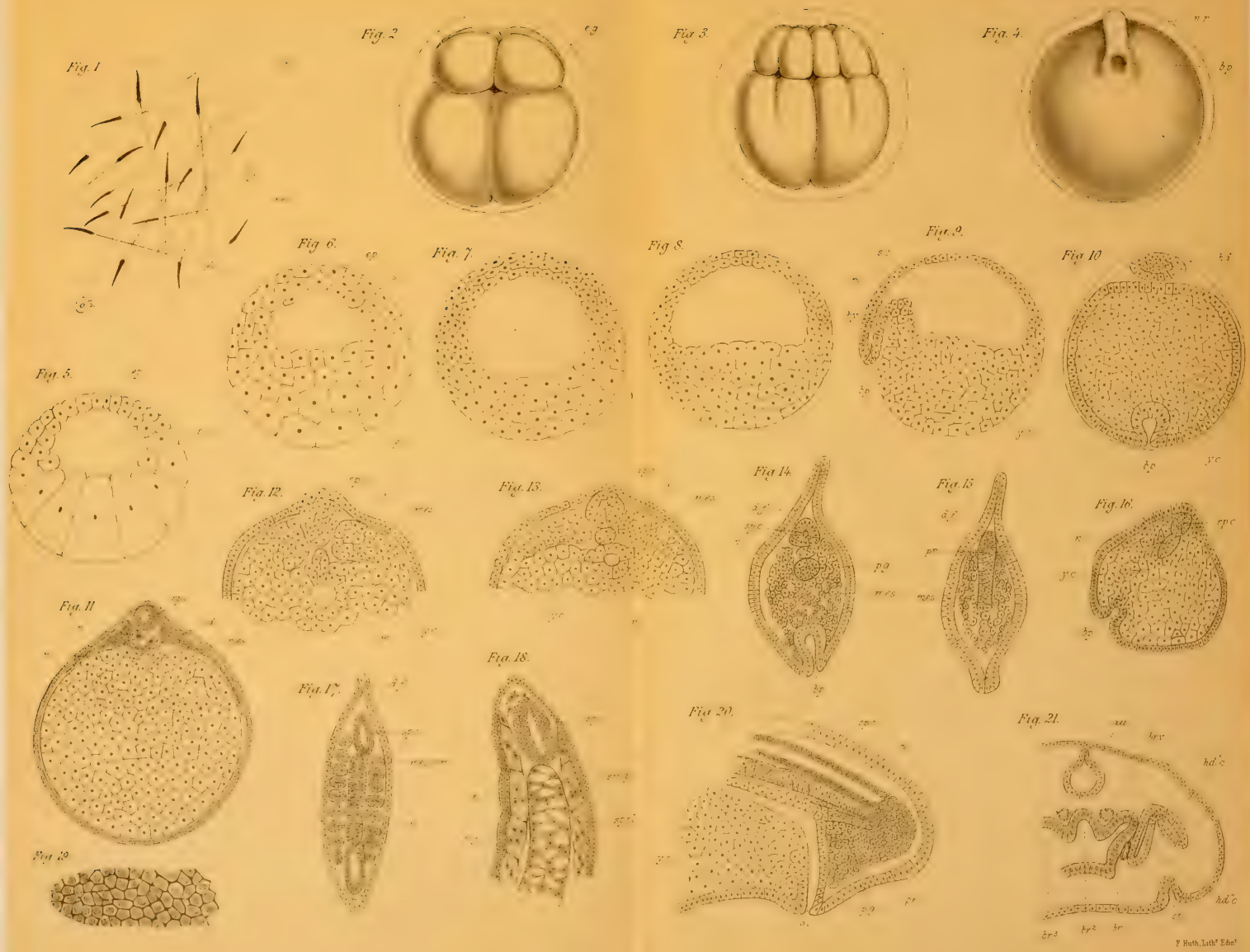


G.C. Bourne del

F Huth, Lith^r Edin^r



P. Huth, Lith^r Edin^r

Fig. 22.

Fig. 23.

Fig. 27.

Fig. 28.

Fig. 29.

Fig. 33.

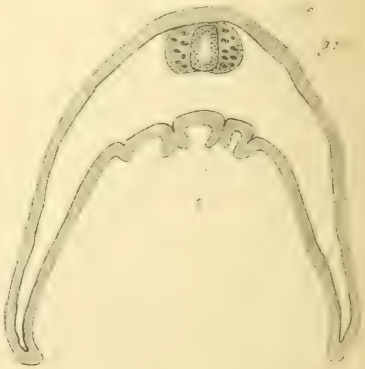


Fig. 24

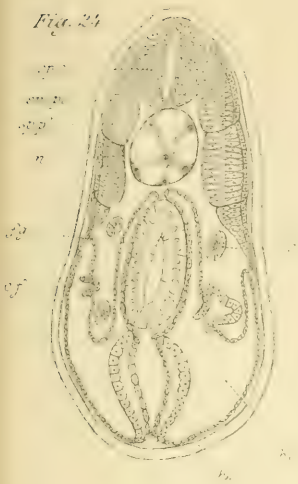


Fig. 25

Fig. 26

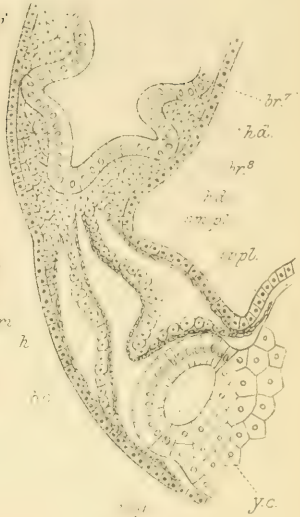


Fig. 30.

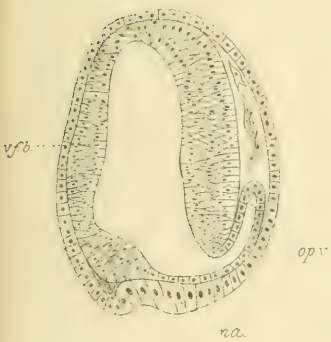
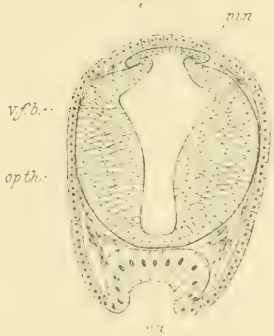


Fig. 31



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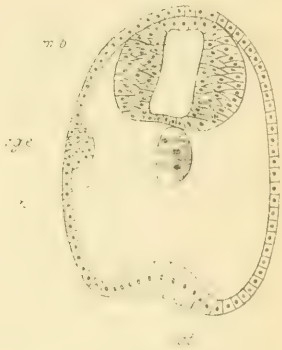

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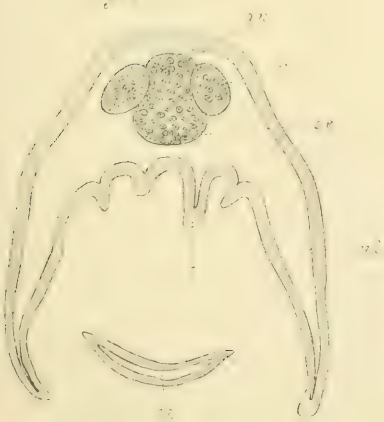

Fig. 35.

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Fig. 36

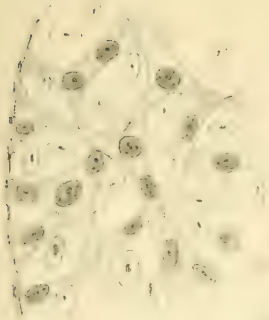


Fig. 37

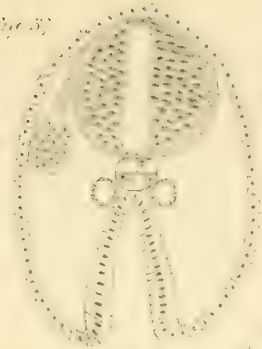


Fig. 38

Fig. 39.

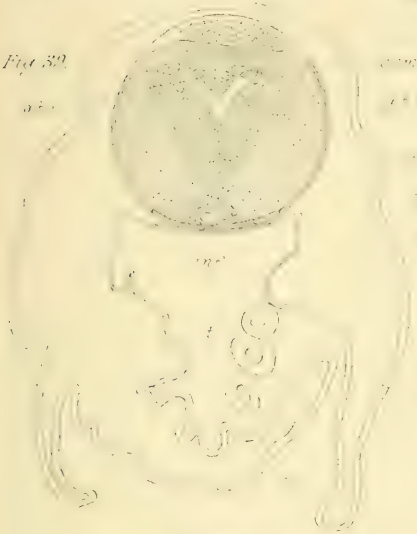


Fig. 40

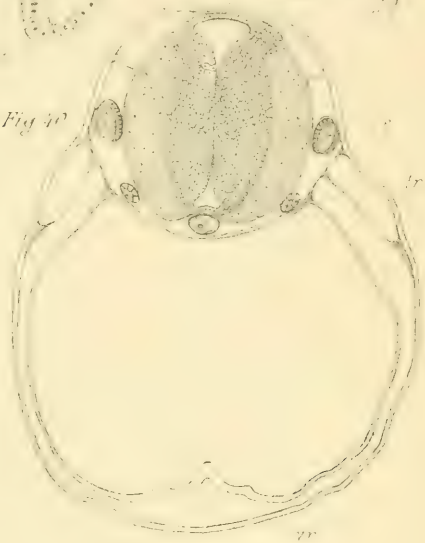


Fig. 41.

Fig. 42

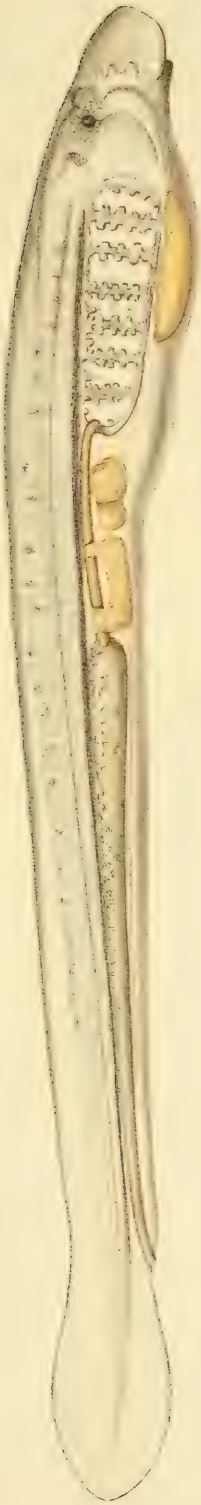


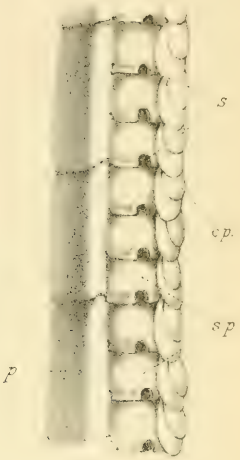
Fig. 43.

F. Huth, Lith^r Edin^r

Fig. 1.

Fig. 2.

Fig. 3.



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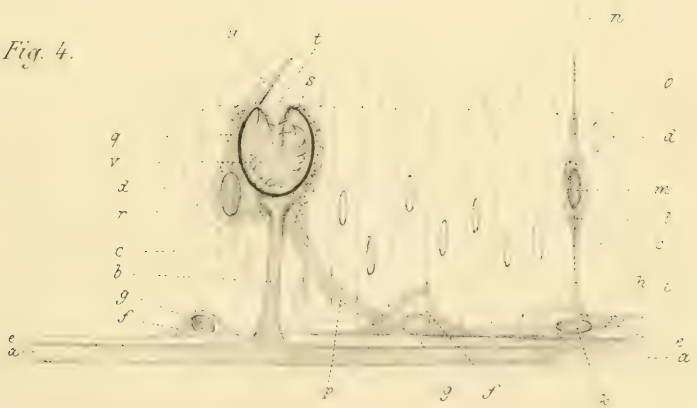

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F. Huth, Lith^r Edin^r

Fig. 5.

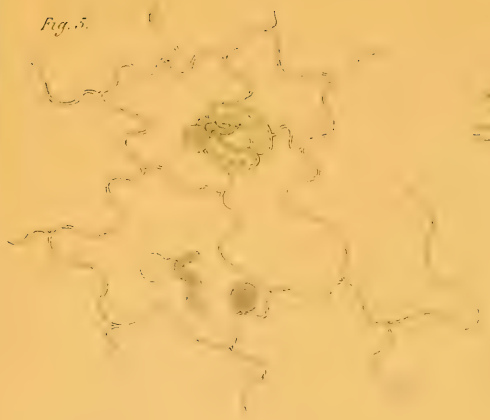


Fig. 6.

Fig. 7.

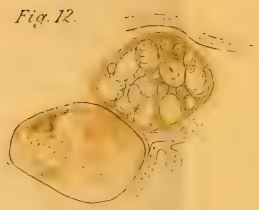
Fig. 8.

Fig. 9.

Fig. 10.

Fig. 11.

Fig. 12.



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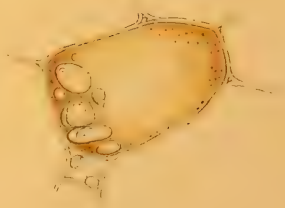

Fig. 14.

Fig. 15.

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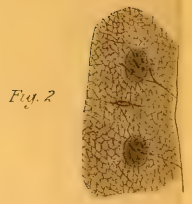

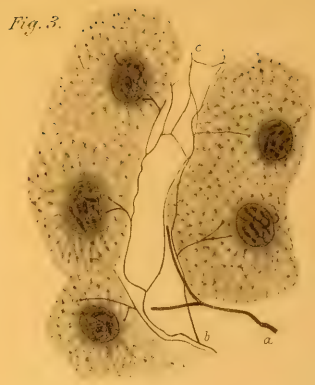

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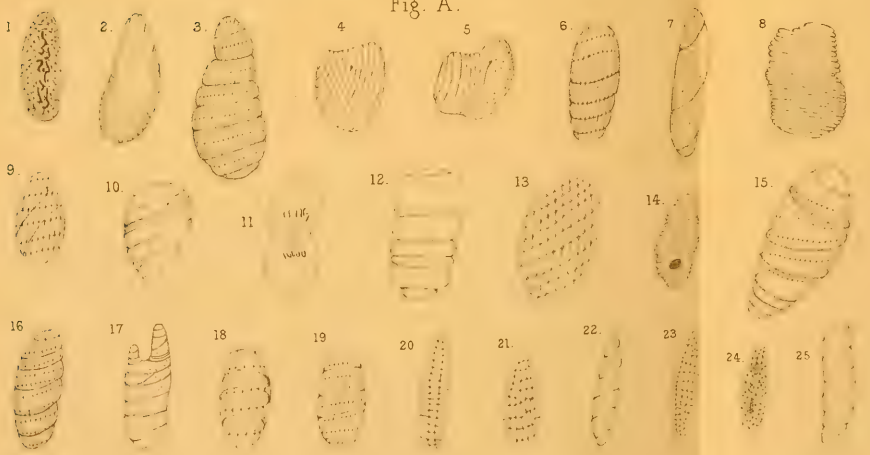
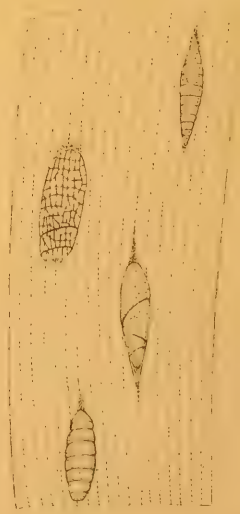


Fig. B.



A.B. Macallum del

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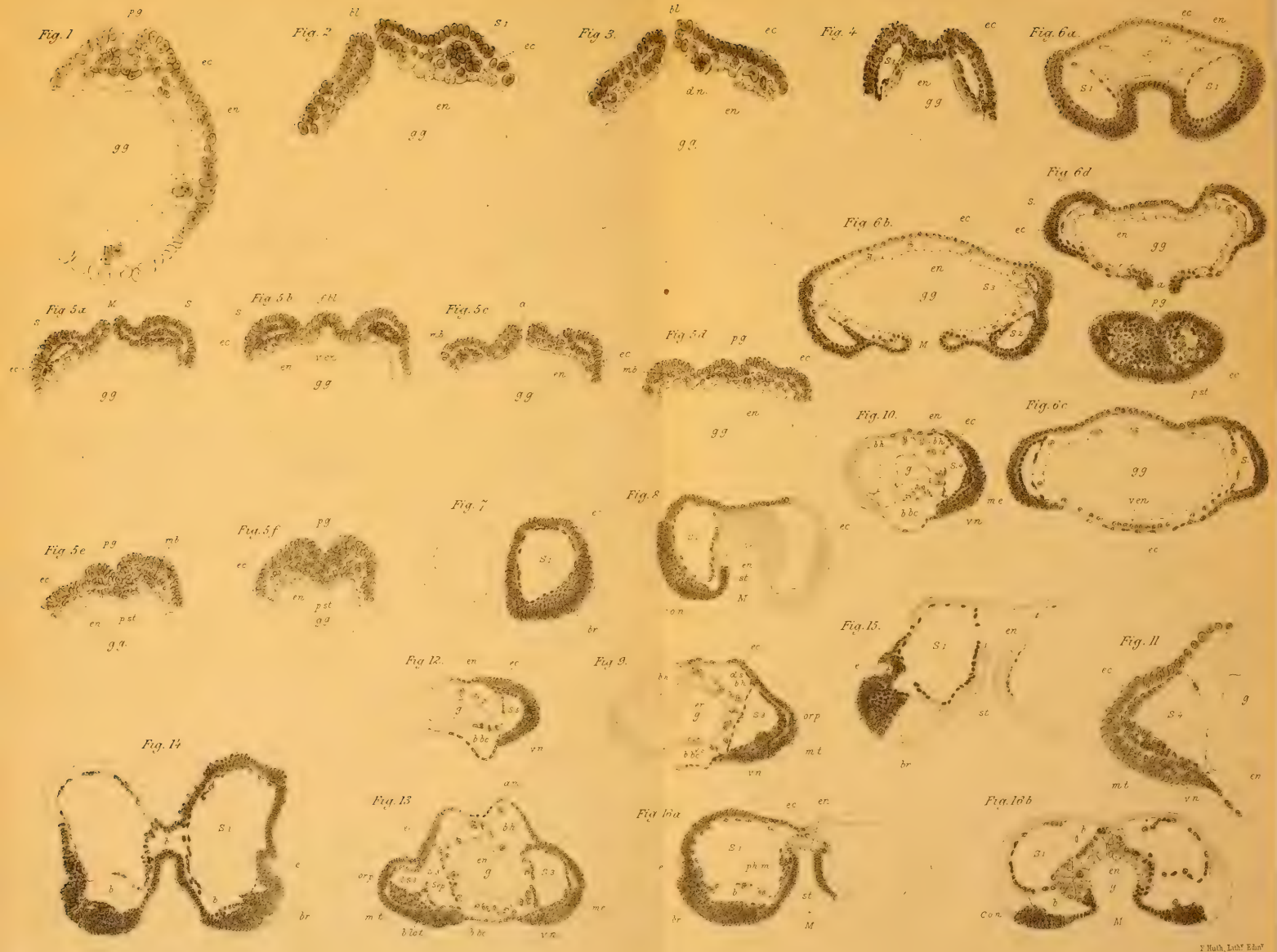

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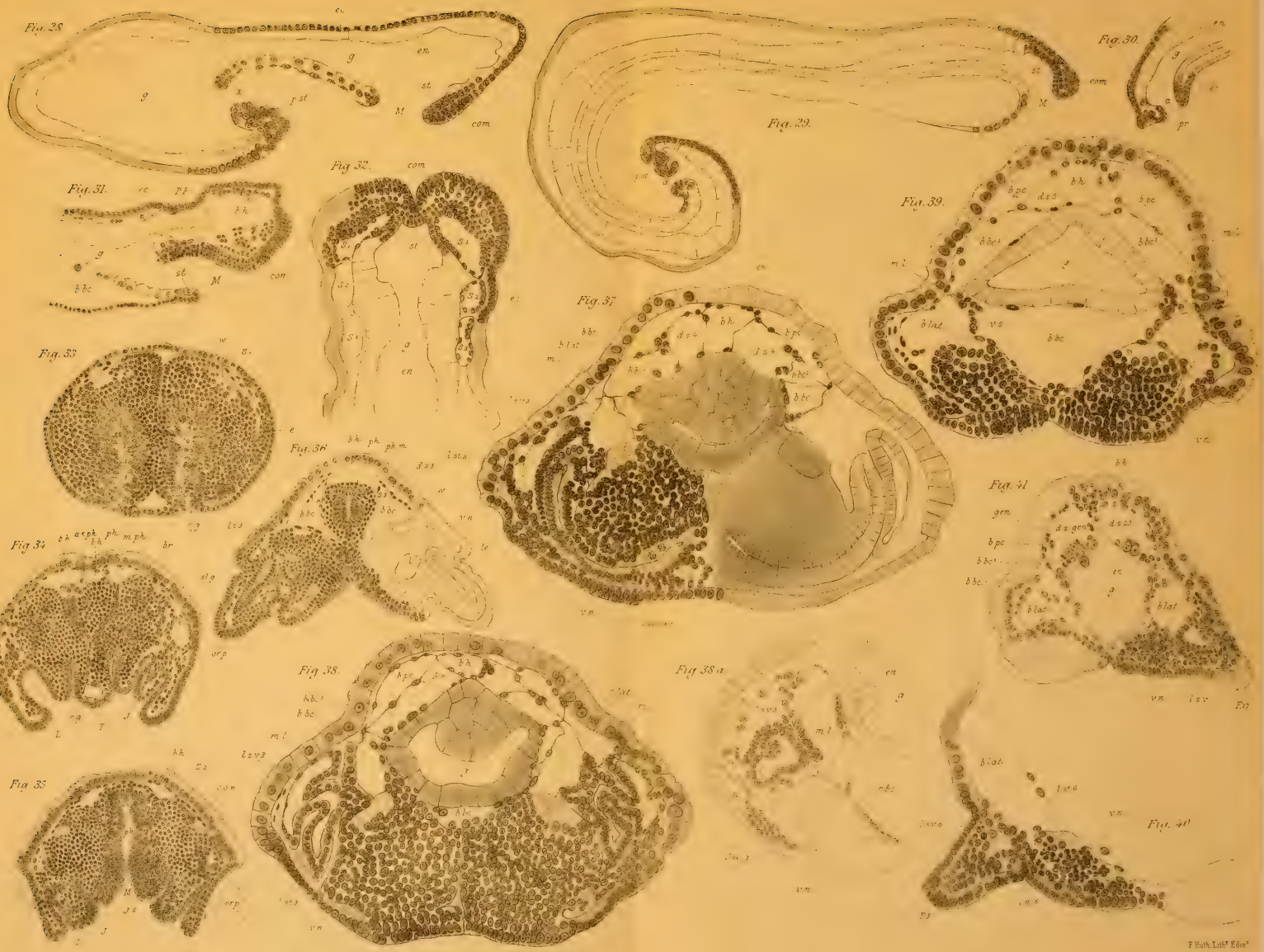
F Huth, Lith' Edin'



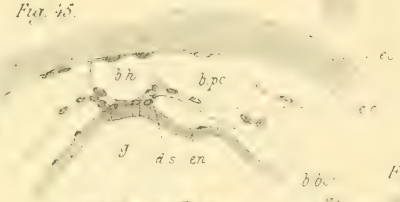
F Huth, Lith. Edin.

Fig. 42.

Fig. 43.

Fig. 44.

Fig. 45.



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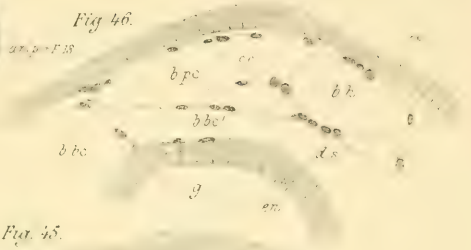

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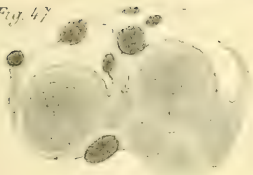

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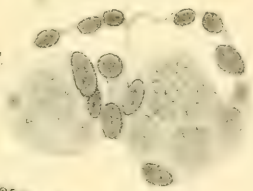
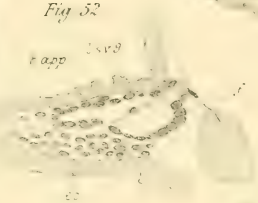


Fig. 49.

Fig. 50.

Fig. 51.

Fig. 52.



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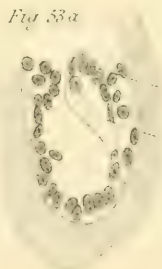

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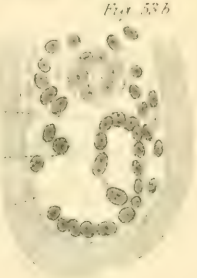

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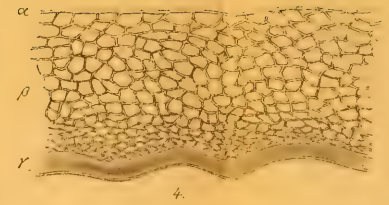

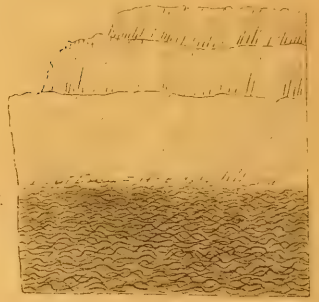

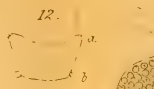

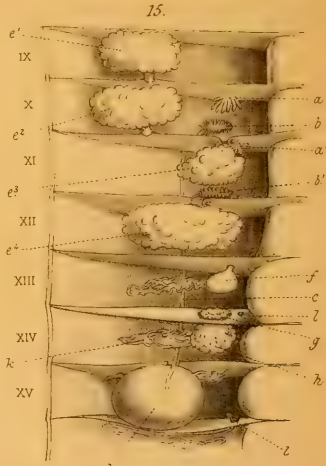

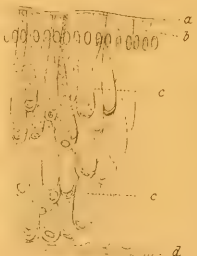

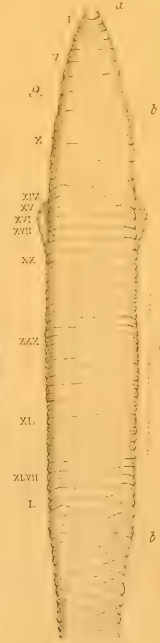

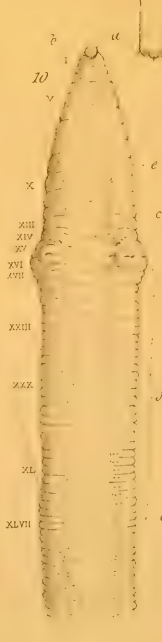

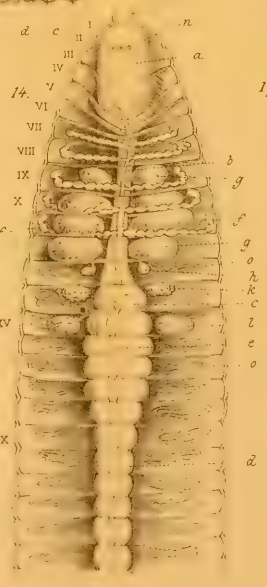

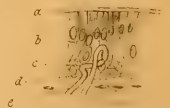

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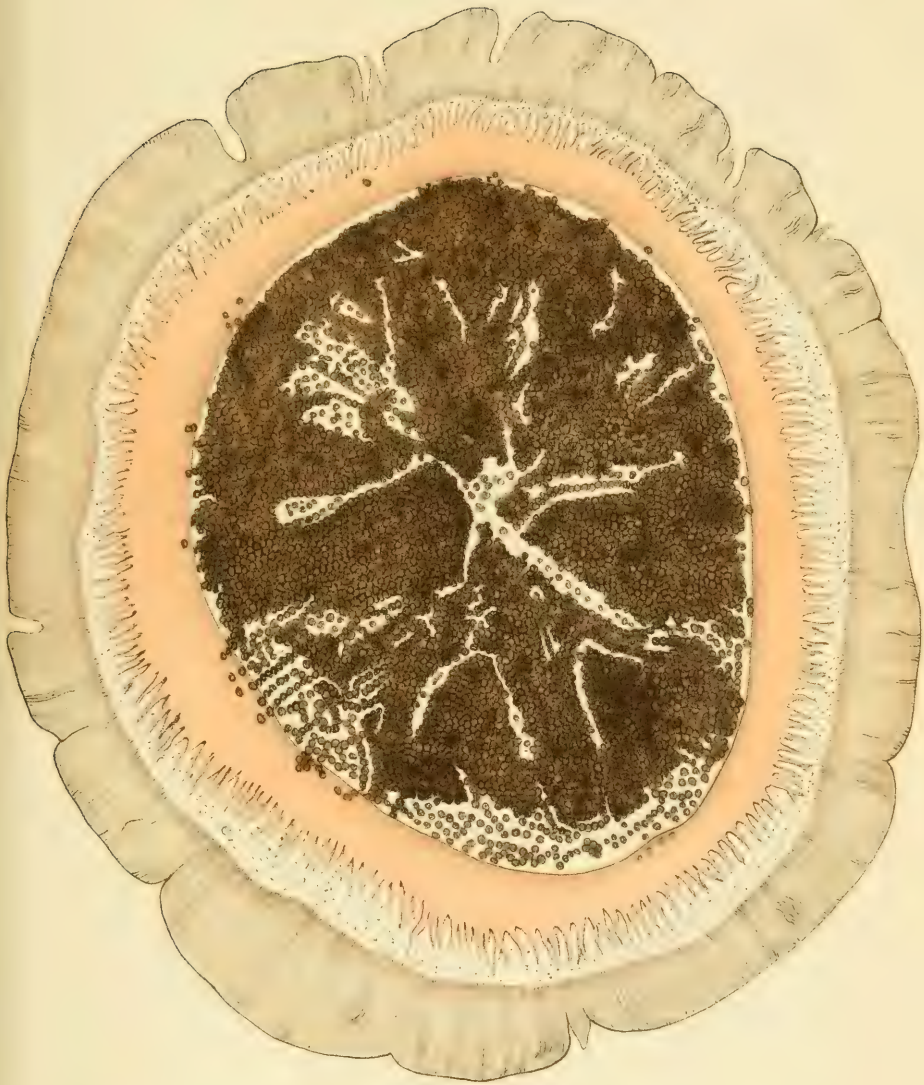

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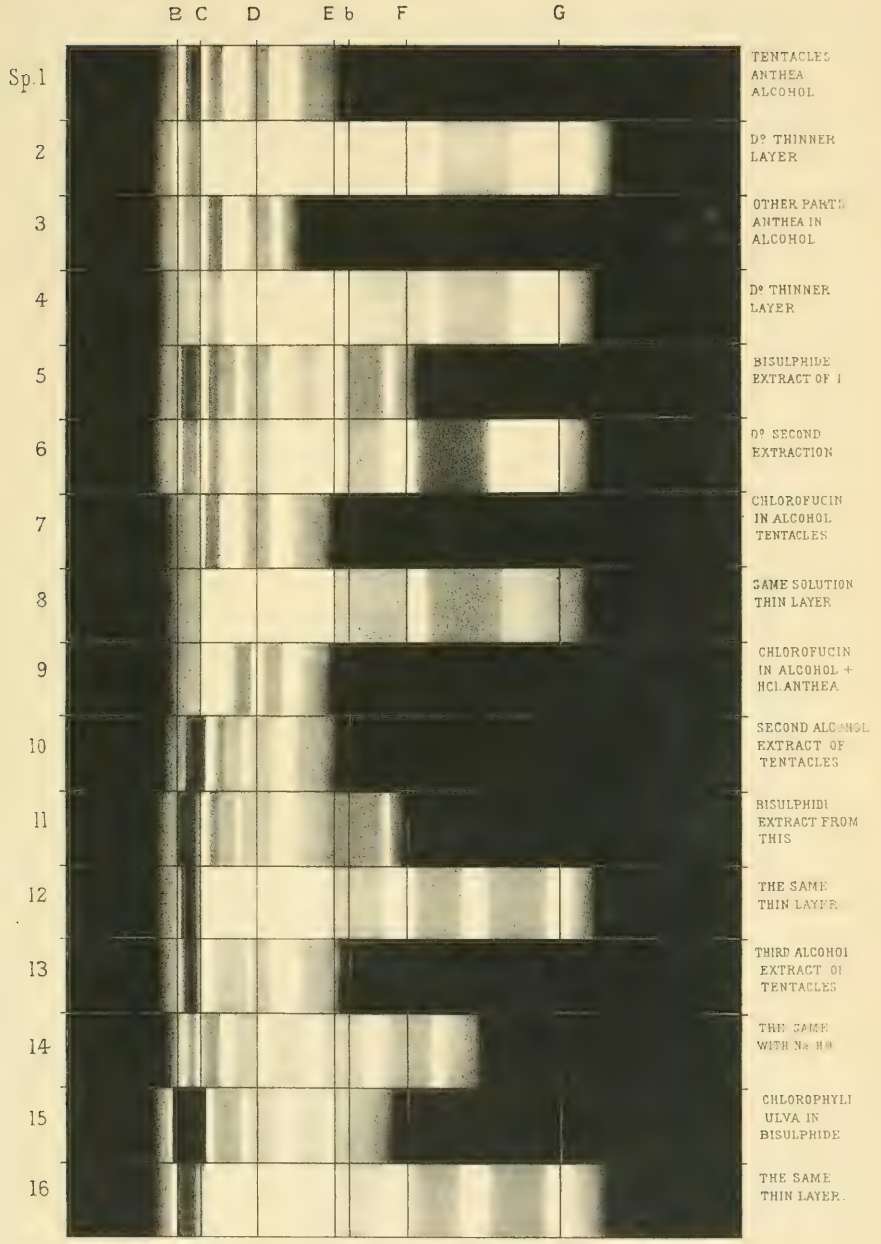
F. Huth, Lith^r Edin^r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TENTACLES ANTHEA ALCOHOL
Dº THINNER LAYER
OTHER PARTS ANTHEA IN ALCOHOL
Dº THINNER LAYER
BISULPHIDE EXTRACT OF I
Dº SECOND EXTRACTION
CHLOROFUCIN IN ALCOHOL TENTACLES
SAME SOLUTION THIN LAYER
CHLOROFUCIN IN ALCOHOL + HCl. ANTHEA
SECOND ALCOHOL EXTRACT OF TENTACLES
BISULPHIDE EXTRACT FROM THIS
THE SAME THIN LAYER
THIRD ALCOHOL EXTRACT OF TENTACLES
THE SAME WITH Na H O
CHLOROPHYLL ULVA IN BISULPHIDE
THE SAME THIN LAYER.

Fig. 1.

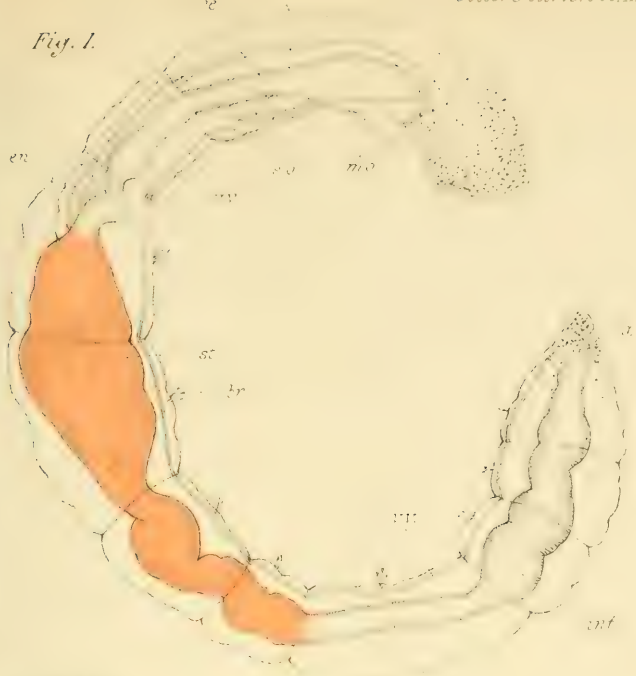

Fig. 2.

Fig. 3a.

Fig. 3b.

Fig. 3c.

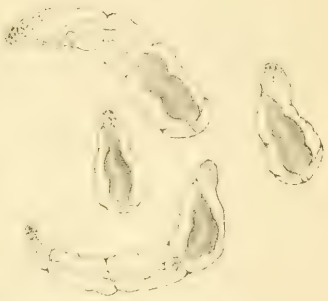

Fig. 4a.

Fig. 4b.

Fig. 4c.

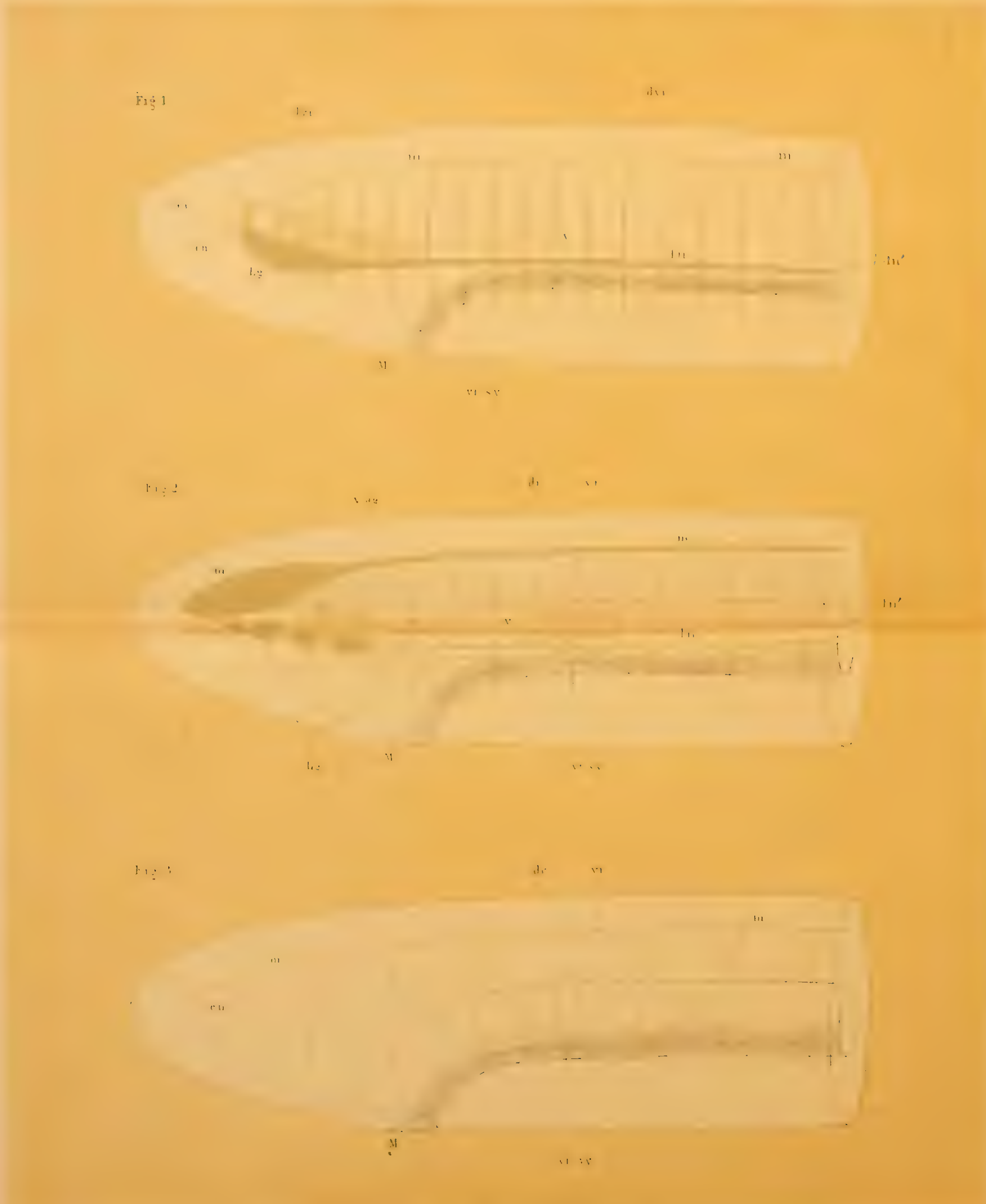
Fig 1
Fig 2
Fig 3

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